

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1-22 (cancelled)

Claim 23 (currently amended): A structure for a bit line contact hole, comprising:

- a substrate ;

- a transistor, disposed on the substrate, comprising a gate layer covered by a first insulating layer and comprising a doped region;

- an inner landing pad, disposed on the doped region and parts of the transistor, comprising a polysilicon layer;

- a passivation layer serving as a diffusion barrier, conformally formed on the inner landing pad, the transistor, and the substrate, wherein the passivation layer is in contact with the doped region;

- a second insulating layer comprising doped materials, disposed on the passivation layer, having a flat surface on the passivation layer;

- a contact plug, disposed on the second insulating layer and the passivation layer and contacted with the inner landing pad, electrically connecting with the inner landing pad; and

- an interconnected landing pad, deposited on the contact plug.

Claim 24 (previously presented): The structure as claimed in claim 23, wherein thickness of the polysilicon layer of the inner landing pad is about 100~400Å.

Claim 25 (previously presented): The structure as claimed in claim 23, wherein the material of the passivation layer comprises silicon nitride.

Claim 26 (previously presented): The structure as claimed in claim 25, wherein thickness of the passivation layer is about 110~130Å .

Claim 27 (withdrawn – currently amended): A structure for a bit line contact hole, comprising:

a substrate;

a transistor, disposed on the substrate, comprising a gate layer covered by a first insulating layer and comprising a doped region;

an inner landing pad, disposed on the doped region and parts of the transistor, comprising a polysilicon layer;

a passivation layer, disposed formed on the inner landing pad, the transistor, and the substrate, the passivation layer has a thickness of about 110~130Å, wherein the passivation layer is in contact with the doped region;

a second insulating layer, disposed on the passivation layer, having a flat surface on the passivation layer;

a contact plug, disposed on the second insulating layer and the passivation, electrically connecting with the inner landing pad; and

an interconnected landing pad, deposited on the contact plug.